600/514

U. S. PATENT OFFICE

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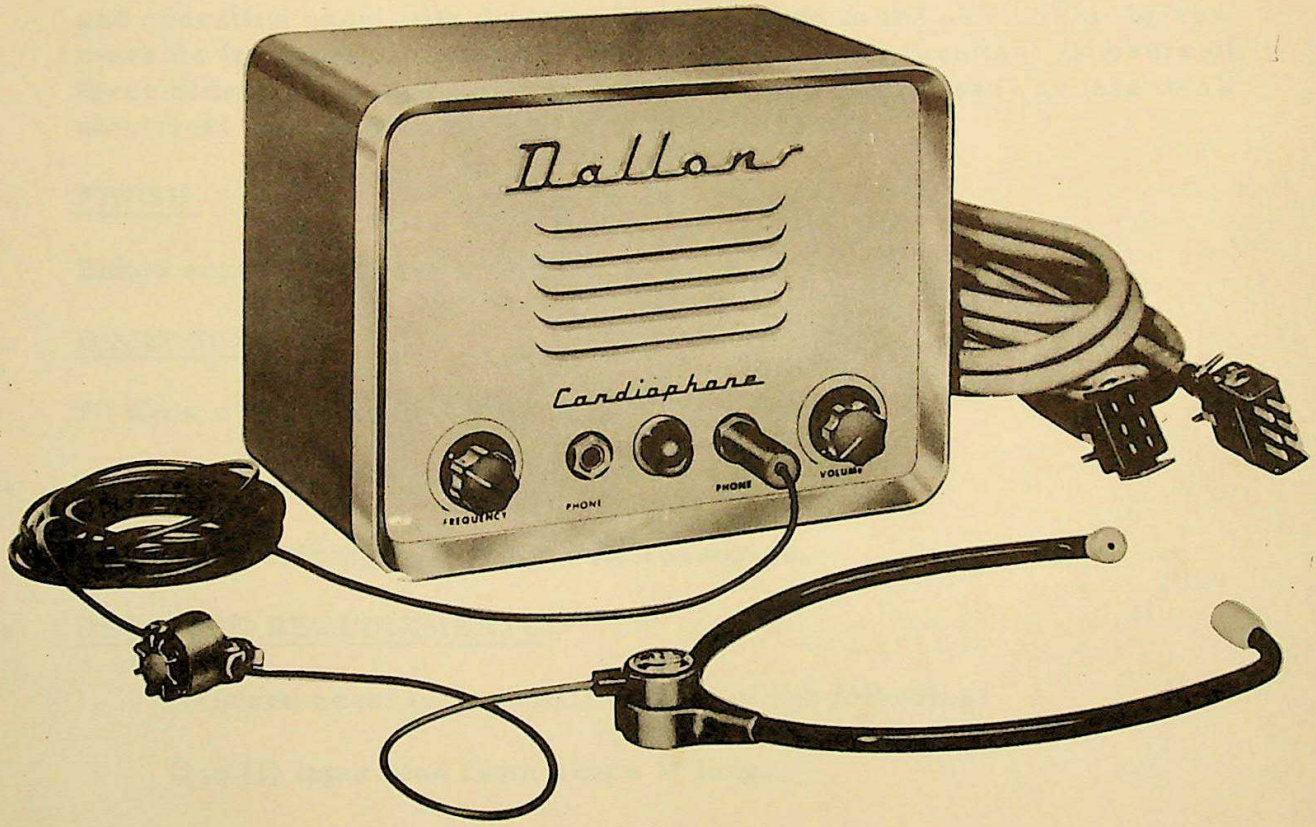
DIVISION 55

# Dallons




**CARDIOPHONE**

**MODEL CP-2B**

600/514

# DALLONS CARDIOPHONE CP-2B

## SPECIFICATIONS

### 1. GENERAL

This specification covers an instrument designed and engineered to accurately translate the visual signal on the Cardioscope into sound.

#### A. CONSTRUCTION

The chassis and cabinet shall be constructed entirely of aluminum with a die cast frame. To facilitate assembly and disassembly, the entire chassis and operating panel with die cast frame affixed to the panel shall be removable from the cabinet as a complete unit. The resultant exposure of three sides and the bottom of the chassis shall permit easy access to all electrical components during inspection or repair.

#### B. FINISH

Baked enamel and brushed aluminum.

#### C. DIMENSIONS

7" Wide x 5" High x 4-1/2" Deep.

#### D. WEIGHT

Net - 4 lbs., Shipping 7 lbs., w/accessories.

#### E. DETAILED REQUIREMENTS

1. Standard accessories shall consist of the following:

   One (1) input lead from scope 3' long.

2. Optional accessories shall consist of the following:

   One (1) set of binaural phones with separate volume control.

3. Controls shall consist of the following:

   a. OFF-ON switch and volume control.
   b. Variable frequency control.
   c. Two output jacks for binaural phones.
   d. Power indicator lamp.

E. DETAILED REQUIREMENTS (Continued)

4. This instrument shall produce a tonal pattern in a varying range of approximately 1000 C.P.S. as a faithful audible translation of a visual signal on the Cardioscope.

5. The Cardiophone shall have a volume control and frequency control to clarify and accentuate complexes of the trace.

6. The Cardiophone shall produce through its speaker a signal audible to the entire surgical team when set at maximum volume.

7. The Cardiophone shall include two output jacks for individual binaural phones.

F. COMPONENTS

The Cardiophone shall conform to requirements of the National Electrical Code. It shall be listed by the National Board of Fire Underwriters and bear the Underwriters' Laboratories label.

G. ELECTRICAL CHARACTERISTICS

The Cardiophone shall consist of two basic sections.

1. Oscillator Section.

2. Amplifier Section.

   a. The oscillator is of the resistance capacitance type, the frequency and amplitude of which is a function of the applied voltage.

   b. The amplifier acts as amplifier and buffer stage.

H. SENSITIVITY

1 millimeter deflection on the CRT of the Cardioscope will produce a distinctive audible signal.

I. GUARANTEE: 1 year unconditional, parts and labor, excluding negligence.